MOTHERBOARDS

MPG Z790I EDGE WIFI

GAME IN STYLE

FEATURES

Direct 10+1+1 Phases with 105A SPS

Extreme direct power solution with 10+1+1 phases and 105A Smart Power Stage unleash the maximum CPU performance.

Latest DDR5 Memory

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.

Lightning Gen 5

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.

Audio Boost 5

Isolated audio with a high quality audio processor & amp for the most immersive gaming experience.

Triple M.2 Connectors

Onboard 3x M.2 connectors with dual PCIe 4.0 solution, strengthened by M.2 Shield Frozr.

Lightning USB 20G

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.

2.5G LAN

Onboard 2.5G LAN with LAN manager, delivering the best online gaming experience.

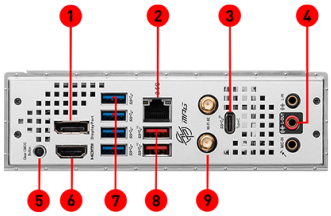
Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.

SPECIFICATIONS

Model Name	MPG Z790I EDGE WIFI
CPU Support	Supports 12th/ 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	1x PCIe 5.0 x16 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
Memory Support	2 DIMMs, Dual Channel DDR5 8000+MHz (OC)
Storage	2x M.2 Gen4 x4 64Gbps slots 1x M.2 Gen3 x4 32Gbps slots 4x SATA 6Gb/s ports
USB ports	2x USB 3.2 Gen 2x2 20Gbps (2 Type-C) 2x USB 3.2 Gen 2 10Gbps (2 Type-A) 6x USB 3.2 Gen 1 5Gbps (6 Type-A) 2x USB 2.0 (2 Type-A)
LAN	Intel® 2.5Gbps LAN
WiFi / BT	Intel® Wi-Fi 6E, Bluetooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

CONNECTIONS



1. Display Port
2. 2.5G LAN
3. USB 3.2 Gen 2x2 20Gbps (Type-C)
4. Audio Connectors
5. Clear CMOS
6. HDMI™
7. USB 3.2 Gen 1 5Gbps (Type-A)
8. USB 3.2 Gen 2 10Gbps (Type-A)
9. Wi-Fi / Bluetooth

Generated 2022-09-29, check for the latest version www.msi.com/datasheet. The information provided in this document is intended for informational purposes only and is subject to change without notice.

© 2022 Micro-Star Int'l Co.Ltd. MSI is a registered trademark of Micro-Star Int'l Co.Ltd. All rights reserved.